E & M J METAL AND MINERAL MARKETS

Weekly Market Information Issued by the Publishers of Engineering and Mining Journal

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Copper Imports of U. S.

Copper imports of the United States in February and March, in tons, according to the Bureau of the Census:

In ore, matte, etc.:	Feb.	March
Canada	3,609	2,135
Mexico	696	302
Cuba	2,529	2,934
Bolivia	935	...
Chile	2,180	391
Ecuador	...	92
Peru	1,782	315
Cyprus	1,798	...
Philippines	957	680
Union of South Africa	386	455
Australia	179	...
Other countries	44	119
Totals	15,285	7,333
Blister (content):		
Mexico	5,362	5,083
Chile	6,387	3,472
Yugoslavia	3,269	...
Northern Rhodesia	12,221	7,801
Totals	27,239	16,356
Refined copper:		
Canada	2,785	4,656
Chile	16,040	11,493
Peru	1,448	450
Japan	1,314	2,204
Totals	21,587	18,803
Old and scrap (content)	709	1,377
Comp. metal (content)	142	57
Brass scrap (content)	2,782	2,327

Exports of refined copper in March totaled 15,082 tons, which compares with 17,662 tons in February.

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Aluminum Production Up

Production of primary aluminum in the United States in March amounted to 58,746 tons, which compares with 50,442 tons in February and 54,852 tons in March a year ago, according to an estimate by the Aluminum Association. Production in March was the highest since August 1944.

During the first quarter of 1950 the industry produced 161,211 tons of primary aluminum, against 157,957 tons in the Jan.-March period of 1949.

Shipments of aluminum sheet, plate and strip by members of the Association totaled 55,779 tons in March, against 39,432 tons in February and 34,675 tons in January. Shipments of sheet, plate and strip in the first quarter totaled 129,886 tons, against 129,398 tons in the same period of 1949.

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Steel Rate at 101.3%

The operating rate of the steel industry for the week beginning May 15 was estimated at 101.3% of capacity, a new high, equivalent to 1,931,000 tons of ingots and castings, the American Iron and Steel Institute reports. The production rate in the preceding week was 100.1% of capacity.

Copper Strong—Lead Raised to 12c., N.Y., Early in Week—Zinc Firm—Tin Advances

Higher prices prevailed last week for lead and tin. Copper was unchanged in the domestic market, but sold at a moderate advance in the foreign field. Virtually all fabricators of copper have adjusted their price schedules upward in recent weeks because of higher production costs. Zinc buyers were interested in obtaining additional supplies at 12c., with few sellers in a position to take on new business covering May and June. Lead returned to the 12c. basis that prevailed in the first two months of the year before the quotation began to decline to 10½c. Tin was higher, largely in sympathy with the recovery in the United States in other non-ferrous metals. The strike of railroad firemen ended just as the disruption in service was beginning to slow down the movement of raw materials to industry.

Copper

The tension over the price situation in copper continues. Except for the sale of a fair tonnage yesterday in the foreign market at an advance of one-quarter cent a pound, which raised our weighted average for export copper for May 17 to the equivalent of 19.675c., f.a.s. New York, the price situation was unchanged. The domestic quotation held at 19½c. per pound, Valley, throughout the week. Uncertainty over the tariff situation remains a disturbing factor.

There were buyers of copper who actually bid more than 19½c. on nearby metal, but found no takers. Most producers had nothing to offer so far as nearby business was concerned.

The statistics are exceedingly strong. During April, domestic deliveries to customers other than the Government totaled 101,729 tons. The decline from 123,030 tons in March was expected because of the tight supply situation. In addition, the stockpile obtained about 21,000 tons during April. Stocks in the hands of domestic producers declined to 57,028 tons.

Producers' sales to fabricators of May shipment copper now total around 91,500 tons, with June at 56,800 tons and July at 4,500 tons.

Lead

The price of lead advanced to 12c. per pound, New York, early on May 11, and continued on that basis over the remainder of the week. The St. Louis market became established at 11.800c. on the same day. Demand was fairly active, taking the week as a whole, but moderated somewhat towards the close. Sales in the domestic market for the week totaled 10,752 tons, which compares with 12,048 tons in the previous seven-day period. So-called "outside" foreign producers have been booking a good volume of business on the recent rise in the market. The heavy sales volume of the past six weeks has placed most producers in a comfortable position. The undertone of the domestic market remains firm.

Export business was fair. Sellers quote 11½c., f.a.s. Gulf ports.

The Emergency Lead Committee, representing most of the domestic lead producers, has filed a statement with the Committee for Reciprocity Information requesting that no tariff action on lead be taken at the forthcoming Torquay conference.

Zinc

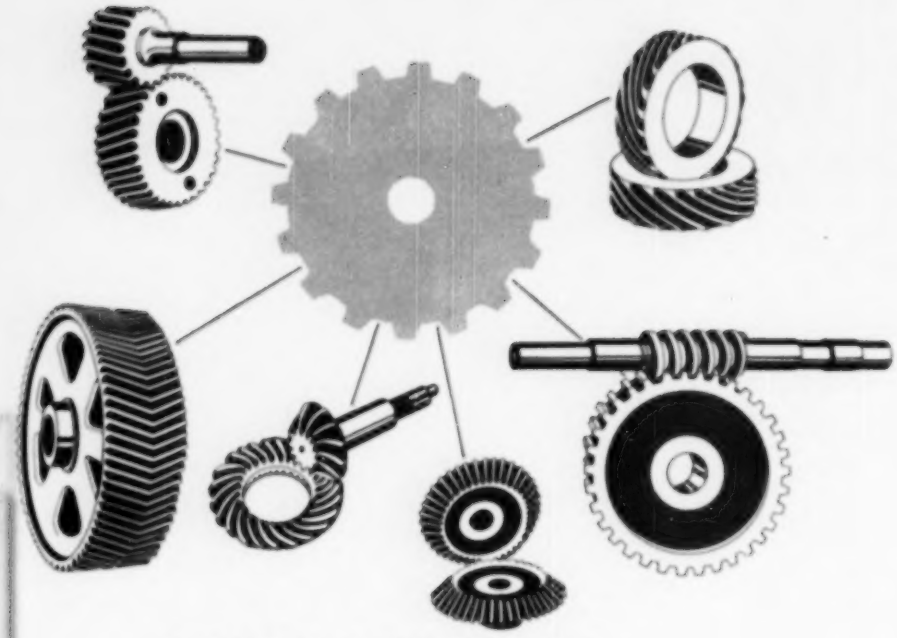
The recent advance in the price of zinc to the basis of 12c. per pound for Prime Western, East St. Louis, has not changed the complexion of the market. Consumers last week were anxious to obtain additional tonnages and found it almost impossible to purchase nearby metal. Nothing short of a reduced rate of activity in both the galvanizing and automobile industries is expected to bring about a change in the domestic demand-supply situation.

Export demand for zinc was quiet. The quotation of 11½c., f.a.s. Gulf ports, on the common grade was more or less nominal.

Mine production of zinc in the United States, in terms of recoverable metal, amounted to 51,703 tons in March, the largest monthly total since June 1949, the Bureau of Mines reports. Production in February was 46,187 tons, and the monthly average for all of 1949 was 48,657 tons.

Consumption of slab zinc in the United

(Continued on page 5)



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Weekly Market Information
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E&MJ Metal and Mineral Markets is published each Thursday with a daily quotation for copper, lead, zinc, tin, and silver. Commodities that change price infrequently are quoted at weekly or monthly intervals, according to their importance. Official weekly and calendar weekly averages, also monthly averages, are published for copper, lead, zinc, tin, and silver in the United States market.

Emergency Lead Committee Asks for Tariff Relief

An Emergency Lead Committee of 21 producers, acting in behalf of the lead mining industry of the United States, has filed a petition with the Tariff Commission for tariff relief under the "escape clause" of the Mexican Trade Agreement.

The petition states that the lead mining industry is threatened with, and has already suffered, serious injury from an unprecedented peacetime flood of lead from Mexico, Canada, Australia, Peru, Germany, Yugoslavia and elsewhere. The main reason for the large importations, the petition holds, has been the low tariff on lead, along with unforeseen currency devaluation by Mexico in 1948, and by Great Britain and other countries in September 1949.

Lead imports, the petition points out, have multiplied six-fold compared with prewar, and have grown to the point that imports are equivalent to domestic mine production in volume.

The petition recommends an upward revision of the tariff on lead contained in ores and concentrates from the current rate of three-quarters of a cent to 2½c. per pound; and on bullion and metal from the current level of 1.06c. to 3⅝c. The 1930 rates (1½c. on lead in ores and 2.125c. on pig lead) were cut 50% in the Mexican agreement, with the proviso that the rates would move up to 1.2c. on lead in ore and 1.7c. on the metal 30 days after the termination of the unlimited national emergency.

J. B. Haffner, vice president of Bunker Hill & Sullivan Mining & Concentrating Co., is chairman of the Emergency Lead Committee, and F. E. Wormser, vice president of St. Joseph Lead Co., secretary.

Other members of the group are:

Thomas Bardon, Shattuck Denn Mining Co.; O. W. Bilharz, Bilharz Mining Co.; P. R. Bradley, Jr., Alaska Juneau Gold Mining Co.; Charles A. Chase, Shenandoah-Dives Mining Co.; Cecil A. Fitch, Chief Consolidated Mining Co.; L. D. Foreman, Defense Mining Co.; Marshall L. Havey, New Jersey Zinc Co.; Elmer Isern, Eagle-Picher Mining & Smelting Co.; Paul H. Hunt, Park Utah Consolidated Mines Co.; Jens Jensen, Pend Oreille Mines & Metals Co.; Paul B. Jessup, Day Mines; M. H. Loveman, Tri-State Zinc Co.; W. W. Lynch, Calumet & Hecla Consolidated Copper Co.; George Mixter, United States Smelting Refining & Mining Co.; Raymond T. Orr, Athletic Mining & Smelting Co.; E. H. Snyder, Combined Metals Reduction Co.; Joseph H. Taylor, Peru Mining Co.; J. G. Trewartha, Ozark-Mahoning Co.; Howard I. Young, American Zinc Lead & Smelting Co.

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Lead at Smelters and Refineries

Lead stocks at smelters and refineries in the United States in tons, according to the American Bureau of Metal Statistics:

	March 1	April 1
In ore, matte and in process	99,364	96,766
In base bullion:		
Smelters and refiners	12,645	15,114
In transit	5,539	4,087
In process	16,912	17,279
Refined lead	69,452	79,172
Antimonial lead	9,691	8,409
Total stocks	212,603	220,846

(a) Revised to eliminate secondary refineries.

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President of Cerro de Pasco

Robert P. Koenig has been elected president of Cerro de Pasco Copper Corp., succeeding Frank F. Russell who was made chairman of the board. Mr. Koenig has resigned as president of the Ayrshire Collieries Corp.

U. K. Copper Consumption

Consumption of copper in the United Kingdom in March totaled 46,446 long tons, of which 29,200 tons consisted of virgin metal and 17,246 tons scrap, the British Bureau of Non-Ferrous Metal Statistics reports. Consumption of copper in the first quarter, by months, in long tons, was as follows:

	Virgin	Scrap
January	21,086	16,887
February	25,516	14,374
March	29,200	17,246
Totals	75,782	48,707

Stocks of virgin copper in the hands of the British Ministry of Supply and consumers, including stocks in transit in the United Kingdom, totaled 115,882 tons on April 1, against 119,317 tons a month previous and 99,296 tons a year ago.

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Ore & Chemical Corp.

The Ore & Chemical Corp. has been formed to take over the business of the Ore & Chemical Co., a unit of Sterling Chemical & Ore Corp., R. Schreiber, president, announced last week. Activities of the new company will include the representation of foreign principals for the purchase of non-ferrous ores, metals and other materials, and American manufacturers of mining and milling machinery.

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Stainless Steel Production

Production of stainless steel ingots in 1949 was estimated at 450,000 tons, a reduction of 27% from the all-time high of 617,378 tons in 1949, according to "Steel Facts." However, production of stainless steel in 1949 was more than twice as great as in 1939.

Among the various forms in which stainless steel is marketed, only wire showed an increase in shipments in 1949.

Summary of Copper Statistics

Following is a summary of the copper statistics reported by members of the Copper Institute, figures in tons:

UNITED STATES

	Nov.	Dec.	Jan.	Feb.	(a) March	April
Production:						
Crude, primary	67,479	71,664	71,615	69,994	78,928	74,262
Crude, secondary	13,119	8,536	12,091	10,742	11,407	9,824
Totals	80,598	80,200	83,626	80,736	90,335	84,186
Refined	92,602	94,947	95,329	94,036	113,449	103,293
Deliveries, refined	117,133	107,662	111,668	112,773	123,030	101,729
Stock at end, refined	139,199	116,027	101,070	77,472	66,276	77,028

OUTSIDE UNITED STATES

	Nov.	Dec.	Jan.	Feb.	(a) March	April
Production:						
Crude, primary	104,822	97,156	106,162	110,089	108,159	104,556
Crude, secondary	1,036	975	1,669	549	1,227	1,809
Totals	105,858	98,131	107,831	110,638	109,386	105,364
Refined	84,571	83,261	87,923	82,301	84,604	89,369
Deliveries, refined	78,698	77,604	81,314	69,193	72,626	72,647
Stock at end, refined	148,161	147,972	142,971	144,892	148,455	146,444

(a) Corrected figures.

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(Continued from page 1)

States in February declined 4% to 69,903 tons, largely as a result of the shorter month, according to the Bureau of Mines. Consumers' stocks of slab zinc at the end of February totaled 84,780 tons, against 75,659 tons a month previous.

Tin

Prices in London and Singapore appeared to be extremely sensitive to developments in the United States market for non-ferrous metals. This was reflected in some unexpected price movements abroad in tin. The market was fairly stable in the first three days of the week under review, but weakened on May 15. There was some good buying on the decline. Prompt Straits quality tin settled at 77½c. per pound, which compares with 77½c. a week previous.

Standard tin on the London Metal Exchange, per long ton, was as follows:

	Standard Tin First Session	
	Spot	3-Months
May 11	£595½	£586¾
May 12	£596½	£587
May 15	£591½	£582½
May 16	£595½	£586
May 17	£595½	£586½

Quotations on the 99% grade tin (content): May 11th, 76½c.; 12th, 76½c.; 13th, 76½c.; 15th, 76½c.; 16th, 76½c.; 17th, 76½c.

Quicksilver

The "sustained" quiet in the New York quicksilver market has brought out some unsettlement in prices. It was possible to obtain foreign metal on the basis of $49 per flask, f.o.b. European ports. Until recently European sellers were holding out for $50 and upward, depending on quantity involved. Spot quicksilver was available here at prices ranging from $70 to $72 per flask, a reduction of $1 per flask from the price named a week ago.

Silver

The New York Official quotation was maintained at 72½c. an ounce troy throughout the week. The undertone was steady.

London was unchanged at 63½d. an ounce troy.

During February, production of silver in Mexico totaled 4,100,000 oz., which compares with 3,700,000 oz. in January.

United States Gold Price

The price paid by the United States Treasury for gold purchased by the mints continued at $35 per troy ounce of fine gold, less ¼ of 1 percent.

Actual payment by the United States Treasury for gold in imported and domestic ore or concentrate is at 99.75 percent of the price quoted by the Treasury, which at present is equal to $34.9125 per ounce.

Foreign Exchange

Foreign currencies, in addition to the daily quotation on sterling checks given in the table on this page, were quoted on in terms of dollars as follows:

	Demand
Mexico (silver peso)	**11.00c**
Canada (dollar) (a)	99⅞c

(a) Selling basis, N. Y.

Sterling exchange futures, 60-day and 90-day, nominal.

London cables and checks quoted on even basis throughout week.

Official London Prices

The following delivered quotations have been fixed by the Ministry of Supply for the United Kingdom:

	Per Long Ton		
	£	s.	d.
COPPER			
Electrolytic, high conductivity	162	0	0
Fire refined, high conductivity	162	0	0
Fire refined, high grade	161	10	0
Fire refined, min. 99.7 percent	161	0	0
Fire refined, min. 99.2 percent	160	10	0
Hot rolled black wire rods, English	171	11	3
LEAD			
Soft, foreign duty paid	96	0	0
Soft, Empire	96	0	0
English, refined	97	10	0
ZINC			
Foreign (f.o.b.) duty based	103	10	0
Domestic (f.o.b.)	102	10	0
Prime Western and delisted	102	10	0
Refined and electrolytic	104	5	0
Minimum 99.99 percent	105	15	0

DAILY PRICES OF METALS (*E & M J Quotations*)

May	Electrolytic Copper Domestic Refinery	Electrolytic Copper Export Refinery	Straits Tin, New York	Lead New York	Lead St. Louis	Zinc East St. Louis
11	19.200	19.425	77.625	12.000	11.800	12.000
12	19.200	19.425	77.625	12.000	11.800	12.000
13	No market	19.425	77.625	12.000	11.800	12.000
15	19.200	19.425	77.125	12.000	11.800	12.000
16	19.200	19.425	77.375	12.000	11.800	12.000
17	19.200	19.600	77.500	12.000	11.800	12.000
Average	19.200	19.454	77.479	12.000	11.800	12.000

Average prices for calendar week ended May 13 are: Domestic copper f.o.b. refinery, 19.200c.; export copper f.o.b. refinery 19.425c.; Straits tin, 77.354c.; New York lead, 11.667c.; St. Louis lead, 11.467c.; St. Louis zinc, 11.879c.; and silver 72.736c.

The above quotations are our appraisal of the major United States markets, based on sales reported by producers and agencies. They are reduced to the basis of cash, New York or St. Louis, as noted. All prices are in cents per pound.

Copper, lead and zinc quotations are based on sales for both prompt and future deliveries; tin quotations are for prompt delivery only.

In the trade, domestic copper prices are quoted on a delivered basis, that is, delivered at consumers' plants. As delivery charges vary with the destination, the figures shown above are net prices at refineries on the Atlantic seaboard. Delivered prices in New England average 0.300c. per pound above refinery basis.

Our export quotation for copper reflects prices obtaining in the open market and is based on sales in the foreign market reduced to the f.a.s. refinery equivalent. Atlantic seaboard. On f.a.s. transactions we deduct 0.075c. for lighterage, etc., to arrive at the f.a.s. refinery quotation.

Quotations for copper are for the ordinary forms of wirebars and ingot bars. For standard ingots an extra 0.875c. per pound is charged, for slabs 0.125c. up and for cakes 0.375c. up depending on weight and dimensions; for billets an extra 1.05c. up, depending on dimensions and quality. Cathodes in standard sizes are sold at a discount of 0.125c. to 0.15c. per pound.

Quotations for zinc are for ordinary Prime Western brands. Premiums obtaining over Prime Western zinc in the East St. Louis market on the following grades, in cents per pound: Selected 0.15c.; Brass Special 0.25c.; Intermediate, 0.5c.; High Grade zinc sold on contract, delivered in the East and Middle West, commands a premium of 1.15c. per pound over the East St. Louis basis for Prime Western, on Special High Grade the premium or differential is 1.25c. per pound.

Quotations for lead reflect prices obtained for common lead only. The differential on sales in the Chicago district is 10 points under New York, for New England add 7½ points to the New York basis. Corroding grade commands a premium over common lead of 10 points.

Silver, Gold, and Sterling Exchange

May	Sterling Exchange "Checks"	Silver New York	Silver London	Gold London
11	$2.79⅝	72⅝	63½d.	248s.
12	2.79⅝	72⅝	63½d.	248s.
13	Not Quoted			
15	2.79⅝	72⅝	63½d.	248s.
16	2.79⅝	72⅝	63½d.	248s.
17	2.79⅝	72⅝	63½d.	248s.

Average silver, 72.736c.; Sterling Exchange 279.736c.

The daily New York silver quotation reported by Handy & Harman is for silver contained in new and other unrefined silver bearing materials in cents and one-eighth cent fractions per troy ounce. It is determined by Handy & Harman on the basis of actual sales of bar silver .999 fine in amounts of 50,000 ounces or more for nearby delivery at New York, and is usually one-quarter cent below the price paid for such bar silver, the reduction being allowance for carrying, delivering, and marketing. In addition to foreign silver, the quotations also apply to domestic and Treasury silver if such silver enters into the New York market.

The Treasury's purchase price of newly mined domestic silver was established at 90.5c. per troy ounce, 1000 fine, effective on July 1, 1946, under an amendment to the Silver Purchase Act of July 9, 1939.

London silver quotations are in pence per troy ounce, basic .999 fine.

London gold quotations are per troy ounce, basic 1000 fine.

Sterling quotations represent the demand market in the foreign. For premium on cables see Foreign Exchange.

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Quotations cover wholesale lots, f.o.b. New York, unless otherwise specified.

ALUMINUM—Per lb., base price, f.o.b. shipping point: 30 lb. ingot, 99% plus, 17c.; in pigs, 16c.

Base prices on aluminum ingot of higher purity: 99.75%, 17½c.; 99.8%, 18c.; 99.85%, 18c.; 99.9%, 20c.

ANTIMONY—Per lb., 99½% grade:

	Domestic, (a) Boxed, New York	Domestic, (b) Bulk, Laredo
May 11	27.780	24.500
May 12	27.780	24.500
May 13	27.780	24.500
May 15	27.780	24.500
May 16	27.780	24.500
May 17	27.780	24.500

(a) Boxed (224 lb.); 10,000 lb. or more but less than a carload, ex store, New York area. (b) In bulk, carload lots, f.o.b. Laredo, Texas; in cases one-half cent extra.

Chinese antimony—Per lb., min. 99%, in cases f.o.b. N. Y., duty paid 22c.

BISMUTH—Per lb., in ton lots, $2.00.

CADMIUM—Per lb. Commercial sticks, wholesale quantities, delivered:

May 11	$2.00
May 12	2.00
May 13	2.00
May 15	2.00
May 16	2.00
May 17	2.00

MAGNESIUM—Per lb., f.o.b. producer's plant, ingots (4x16 in.), 99.8 percent, carload lots, 20½c.; 100 lb. or more, l.c.l., 22½c. Extruded sticks, carload lots, 27½c.; 100 lb. or more, l.c.l. 29½c.

NICKEL.—Per lb., electrolytic cathodes, f.o.b. Port Colborne, Ont., contract price, 40c., U.S. import duty included. Nickel oxide sinter, 36½c. per lb. of nickel content, f.o.b. Copper Cliff.

PALLADIUM – Per oz. troy, **$24**.

PLATINUM – Per oz. troy, **$66** on wholesale lots; **$69** on sales to consumers.

QUICKSILVER – Per flask of 76 lb., $70@$72.

TUNGSTEN – Per lb., **98.8 percent** minimum, 1,000 lb. lots, **$2.90**. Hydrogen reduced tungsten, **99.9 percent plus $4.50**.

Quotations on other miscellaneous metals appeared in May 11 issue.

Metallic Ores

Prices in tons of 2,000 lbs., or in "units" of 20 lb., unless otherwise stated.

CHROME ORE – Per long ton, dry basis, subject to penalties if guarantees are not met, f.o.b. cars New York, Philadelphia, Baltimore, Charleston, plus ocean freight differential for deliveries to Portland, Ore., and Tacoma, Wash.:

Indian and Rhodesian:

48% Cr_2O_3, 3 to 1 ratio, lump	$35.00@$36.00
48% Cr_2O_3, 2.8 to 1 ratio	$32.50
48% Cr_2O_3, no ratio	$25.00

South African (Transvaal):

48% Cr_2O_3, no ratio	$36.00
45% Cr_2O_3, no ratio	$17.50@$18.50

Turkish:

48% Cr_2O_3, 3 to 1 ratio	$37.50@$38.00

Brazilian:

44% Cr_2O_3, 2.5 to 1 ratio, lump	(a) $31.00

Domestic, 48%, 3 to 1 ratio, $39 per ton, f.o.b. nearest shipping point. Nominal.

(a) Nominal.

MANGANESE ORE – On long-term contracts involving large tonnages prices wholly nominal and a matter for negotiation. Nearby business, basis 48% Mn, 79.8@81.8c. per long ton unit, c.i.f. U.S. ports (duty included).

TUNGSTEN ORE – Per short ton unit of WO_3, for ore of known good analysis. Chinese, duty paid, New York, $19.00@$19.50. Bolivian, Brazilian, etc., duty paid $19.00@$19.50. Domestic scheelite delivered to buyer's plant, $28.50.

Quotations on other ores appeared in May 11 issue.

Metallic Compounds

ARSENIOUS OXIDE (arsenic trioxide), refined, white minimum 99 percent – Per lb., 5½c., in barrels, carload lots, delivered.

COBALT OXIDE – Metallurgical grade, 72% Co, per lb. of Co contained, $1.95, f.o.b. Niagara Falls. Ceramic grade, 70 to 71% Co, per lb., $1.38 east of Mississippi, $1.40½ west of Mississippi.

COPPER SULPHATE – Per lb., in carload lots, 7.35c., large or small crystals, f.o.b., N. Y.

Rolled Metals, Etc.

BRASS – Cents per lb. (base prices)

	Sheet	Wire	Rods
Yellow brass	31.19	31.48	a25.61
Best quality brass	32.04	32.33	31.88
Red brass 90%	32.52	32.81	32.21
Red brass 85%	32.96	33.25	32.65
Com'l bronze	33.93	34.22	33.62
Gilding metal	34.38	34.67	34.07

(a) Free cutting

CADMIUM – **Per lb. Special shapes, to platers, $2.15.**

COPPER – **Per lb. Sheets, over 20 in.** wide, 34.43c.; rolls, 20 in. and under, 32.46c.; Wire, bare, carload lots, f.o.b. mills 23.67c.

LEAD SHEETS – Per lb., full rolled, 140 sq. ft., 17c.

ZINC – Per lb., carload lots, f.o.b. mill (base price): Sheet 17½c.; ribbon 11c.; plates 16@17c., depending on size.

Alloys

FERROCHROMIUM – Per lb. of Cr: High carbon (4 to 9% C) 65 to 69% Cr, lump, carloads, delivered Eastern zone, 20.5c.

FERROMANGANESE–Per gross ton, 78@82 percent, $172, seaboard.

FERROMOLYBDENUM, Etc.–Per lb. of Mo contained, f.o.b., shipping point: Ferromolybdenum, 55@65 percent Mo $1.13; calcium molybdate ($CaO\ MoO_3$), 96c.; molybdic trioxide (MoO_3), 94c.

Quotations on non-metallic minerals appeared in May 11 issue.

Tri-State Concentrates

Joplin, Mo., May 13, 1950

Blende	Per Ton
Prime coarse (jig and table, 60% zinc)	$75.00
Flotation, 60% zinc	$75.00
Galena	
Coarse and flotation, 80% lead	$147.67

Zinc concentrate was advanced $6 per ton, following the rise in slab zinc to the basis of 12c. per pound, East St. Louis. This established the market at $75 per ton on coarse and flotation concentrate. The settling basis at the central mills of Eagle-Picher also moved up $6 per ton, or to $77.50.

The rise in lead resulted in lifting the quotation for lead concentrate in the Tri-State district to $147.67 per ton.

Combined production of zinc (mine output) in Arkansas, Kansas, Missouri and Oklahoma increased 8% in March over February as a result of a longer work week, according to the Bureau of Mines. In March a year ago, 3,600 men were employed by the zinc-lead mining companies in this area and production for the month totaled 9,731 tons. In March of the current year, about 1,836 men were employed and output was 6,038 tons.

Brass and Bronze Ingot

85-5-5-5 (No. 115) 18½@18¾c.; 80-10-10 (No. 305) 22½c.; 88-10-2 (No. 215) 25½c.; Yellow, 15½@16½c.

Smelters' Copper Scrap Prices

Custom smelters' buying prices for copper scrap, carload lots, refinery:

No. 1 heavy copper and wire, 16½c.; No. 2 heavy copper and wire, 15½c.; Light copper 14½c.; refinery brass, 13c.

Dealers' Scrap Prices

Dealers' buying prices, f.o.b. New York or equivalent freight points, for wholesale quantities in cents per lb.

No. 1 copper wire	14½@15
Heavy copper & wire, mixed	13½@14
Light copper	12½@13
No. 1 composition	12½@12¾
Composition turnings	11½@11¾
Cocks and faucets	9½@9¾
Light brass	7@7¼
Yellow brass turnings, mix	7@7¼
Heavy yellow brass, mixed	7½@7¾
Auto radiators, unsweated	9½@9¾
Brass pipe, cut	9½@10
Red brass turnings, No. 1	10@10½
Rod ends, brass	10@10½
New soft brass clips	11@11½
Cast aluminum, mixed	7½@8
Aluminum pistons, clean	7½@8
Aluminum crankcases	8@8½
Aluminum clips, new soft	9½@10
Sheet aluminum, old clean	7½@8
Duralumin clips, new	8@8½
Aluminum turnings, clean	6@6½
Zinc die cast, mixed	4½@5
Zinc die cast, new	6@6½
Old zinc	5½@6
New zinc clips	7½@8½
Soft or hard lead	9½@9¾
Battery plates	5@5½
Babbitt mixed	8½@8¾
Linotype or stereotype	10@10½
Electrotype	8½@9
Solder joints close cut	10½@10¾
Block tin pipe	60@62
No. 1 pewter	38@40
Autobearing babbitt	30@32
Monel clips, new	11@12
Monel sheet, clean	11@12
Monel turnings	7@8
Nickel clips, new	17@18
Nickel anodes, cast	17@18

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